## IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A white color organic electroluminescence device comprising:

a cathode;

an anode; and

one or more organic thin film layers sandwiched between the two electrodes and comprising at least a light emitting layer

wherein the light emitting layer has a laminate comprising a bluish color light emitting layer and a yellow-to-reddish color light emitting layer;

wherein the light emitting layer comprises an asymmetric compound comprising a condensed ring,

wherein the asymmetric compound comprising a condensed ring comprises a compound of formulae (I)-(IX) below:

formula (I):

$$R^{2}$$
 $R^{3}$ 
 $R^{4}$ 
 $Ar^{1}$ 
 $R^{8}$ 
 $R^{7}$ 
 $R^{6}$ 

wherein  $Ar^1$  and  $Ar^2$  each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, provided that  $Ar^1$  and  $Ar^2$  do not have the same structure, wherein when  $Ar^1$  and/or  $Ar^2$  is substituted by a substituent, the substituent is independently at least one selected from the group consisting of a halogen atom, a hydroxyl

group, a nitro group, a cyano group, an alkyl group, an aryl group, a cycloalkyl group, an alkoxy group, an aromatic heterocyclic group, an aralkyl group, an aryloxy group, an arythio group, an alkoxycarbonyl group, a carboxyl group, and combinations thereof, and

R<sup>1</sup> to R<sup>8</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group;

## formula (II):

$$Ar \xrightarrow{Ar'} a$$

$$(x)_{c}$$

$$(x)_{b}$$

$$(II)$$

wherein Ar represents a substituted or unsubstituted fused aromatic ring residue having 10 to 50 nuclear carbon atoms,

Ar' represents hydrogen or a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms,

X represents a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted

or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group, and

a, b, and c each represent an integer of 0 to 4, and n represents an integer of 1 to 3, wherein when Ar, Ar' and/or X is substituted by a substituent, the substituent is independently at least one selected from the group consisting of a halogen atom, a hydroxyl group, a nitro group, a cyano group, an alkyl group, an aryl group, a cycloalkyl group, an alkoxy group, an aromatic heterocyclic group, an aralkyl group, an aryloxy group, an arythio group, an alkoxycarbonyl group, a carboxyl group, and combinations thereof;

formula (III):

$$R^{9}$$
  $R^{1}$   $R^{4}$   $R^{10}$ 
 $Ar^{1}$   $R^{8}$   $R^{5}$   $Ar^{2}$ 
 $R^{7}$   $R^{6}$ 

(III)

wherein  $A^1$  and  $A^2$  each independently represent a substituted or unsubstituted fused aromatic ring residue having 10 to 20 nuclear carbon atoms,

Ar<sup>1</sup> and Ar<sup>2</sup> each independently represent a hydrogen atom, or a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, and

R<sup>1</sup> to R<sup>10</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group, provided that no symmetrical group binds to each of 9-position and 10-position of central anthracene;

## formula (IV):

$$R^{9}$$
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{1}$ 
 $R^{2}$ 
 $R^{1}$ 
 $R^{2}$ 
 $R^{1}$ 
 $R^{2}$ 
 $R^{2}$ 
 $R^{2}$ 
 $R^{3}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 

wherein Ar<sup>1</sup> and Ar<sup>2</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, and

R<sup>1</sup> to R<sup>10</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted aralkyl group having 6 to 50 carbon atoms, a

substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group, provided that no symmetrical group binds to each of 9-position and 10-position of central anthracene;

## formula (V):

$$R^{11}$$
 $R^{12}$ 
 $R^{13}$ 
 $R^{18}$ 
 $R^{17}$ 
 $R^{16}$ 
 $R^{15}$ 

(V)

wherein Ar<sup>3</sup> and Ar<sup>4</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, provided that Ar<sup>3</sup> and Ar<sup>4</sup> do not have the same structure,

wherein when Ar<sup>3</sup> and/or Ar<sup>4</sup> is substituted by a substituent, the substituent is independently at least one selected from the group consisting of a halogen atom, a hydroxyl group, a nitro group, a cyano group, an alkyl group, a cycloalkyl group, an alkoxy group, an aromatic heterocyclic group, an aralkyl group, an aryloxy group, an arythio group, an alkoxycarbonyl group, a carboxyl group, and combinations thereof, and

R<sup>11</sup> to R<sup>18</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl

group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group;

formula (VI):

$$Ar^{5} \xrightarrow{\left(X^{1}\right)_{d}} Ar^{6}$$

$$\left(X^{2}\right)_{e}$$

$$\left(VI\right)$$

wherein Ar<sup>5</sup> represents a substituted or unsubstituted fused aromatic ring residue having 10 to 50 nuclear carbon atoms,

Ar<sup>6</sup> represents a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms,

X<sup>1</sup> and X<sup>2</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group,

wherein when Ar<sup>5</sup>, Ar<sup>6</sup> and/or X<sup>2</sup> is substituted by a substituent, the substituent is independently at least one selected from the group consisting of a halogen atom, a hydroxyl group, a nitro group, a cyano group, an alkyl group, a cycloalkyl group, an alkoxy group, an aromatic heterocyclic group, an aralkyl group, an aryloxy group, an arythio group, an alkoxycarbonyl group, a carboxyl group, and combinations thereof, and

d represents an integer of 0 to 8, e represents an integer of 0 to 4, and n<sup>1</sup> represents an integer of 1 to 3;

formula (VII):

$$(x^3)_f$$
 $(x^5)_h$ 
 $(x^4)_g$ 
 $(VII)$ 

wherein Ar<sup>7</sup> and Ar<sup>8</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms,

X<sup>3</sup>, X<sup>4</sup>, and X<sup>5</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl

group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group, and

**f** and **g** each represent an integer of 0 to 4, **h** represents an integer of 0 to 8, and n<sup>2</sup> represents an integer of 1 to 3, provided that no symmetrical group binds to each of 1-position and 6-position of central pyrene;

formula (VIII):

$$R^{19}$$
 $A^{3}$ 
 $R^{18}$ 
 $R^{17}$ 
 $R^{16}$ 
 $R^{15}$ 
 $R^{15}$ 
 $R^{10}$ 

(VIII)

wherein A<sup>3</sup> and A<sup>4</sup> each independently represent a substituted or unsubstituted fused aromatic ring residue having 10 to 20 nuclear carbon atoms;

Ar<sup>9</sup> and Ar<sup>10</sup> each independently represent a hydrogen atom, or a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, and

R<sup>11</sup> to R<sup>20</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a

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cyano group, a nitro group, or a hydroxyl group, provided that no symmetrical group binds to each of 1-position and 6-position of central pyrene;

formula (IX):

$$Ar^{11} \xrightarrow{\left(X^{6}\right)_{i}} \xrightarrow{\left(X^{7}\right)_{j}} Ar^{12}$$

(IX)

wherein Ar<sup>11</sup> and Ar<sup>12</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms,

X<sup>6</sup> and X<sup>7</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group,

L represents a substituted or unsubstituted arylene group having 6 to 50 nuclear carbon atoms, or a substituted or unsubstituted divalent aromatic heterocyclic group having 3 to 50 nuclear atoms; and

 $\mathbf{i}$  and  $\mathbf{j}$  each represent an integer of 0 to 8, and  $n^3$  and  $n^4$  each represent an integer of 1 to 3.

Claim 2 (Previously Presented): The white color organic electroluminescence device according to claim 1, wherein the light emitting layer consists of the bluish color light emitting layer and the yellow-to-reddish color light emitting layer.

Claim 3 (Previously Presented): The white color organic electroluminescence device according to claim 1, wherein the bluish color light emitting layer comprises a bluish color host material and a bluish color dopant, and the bluish color host material comprises an asymmetric compound comprising a condensed ring.

Claim 4 (Previously Presented): The white color organic electroluminescence device according to claim 1, wherein the asymmetric compound comprising a condensed ring comprises the compound represented by the formula (I):

$$R^{2}$$
 $R^{3}$ 
 $R^{4}$ 
 $Ar^{1}$ 
 $R^{8}$ 
 $R^{7}$ 
 $R^{6}$ 

(I)

wherein  $Ar^1$  and  $Ar^2$  each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, provided that  $Ar^1$  and  $Ar^2$  do not have the same structure; and

R<sup>1</sup> to R<sup>8</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group.

Claim 5 (Previously Presented): The white color organic electroluminescence device according to claim 1, wherein the asymmetric compound comprising a condensed ring comprises the compound represented by any one of the formulae (II) to (IV):

$$Ar \xrightarrow{Ar'} (x)_{c}$$

(II)

wherein Ar represents a substituted or unsubstituted fused aromatic ring residue having 10 to 50 nuclear carbon atoms;

Ar' represents a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms;

X represents a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group; and

a, b, and c each represent an integer of 0 to 4, and n represents an integer of 1 to 3;

wherein  $A^1$  and  $A^2$  each independently represent a substituted or unsubstituted fused aromatic ring residue having 10 to 20 nuclear carbon atoms;

Ar<sup>1</sup> and Ar<sup>2</sup> each independently represent a hydrogen atom, or a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms; and

R<sup>1</sup> to R<sup>10</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted

aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group, provided that no symmetrical group binds to each of 9-position and 10-position of central anthracene;

$$R^{9}$$
 $R^{1}$ 
 $R^{1}$ 
 $R^{8}$ 
 $R^{7}$ 
 $R^{6}$ 
 $R^{6}$ 
 $R^{10}$ 

wherein Ar<sup>1</sup> and Ar<sup>2</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms; and

R<sup>1</sup> to R<sup>10</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted or unsubstituted or unsubstituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted

alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group, provided that no symmetrical group binds to each of 9-position and 10-position of central anthracene.

Claim 6 (Previously Presented): The white color organic electroluminescence device according to claim 1, wherein the asymmetric compound comprising a condensed ring comprises the compound represented by the formula (V):

$$R^{11}$$
  $R^{12}$   $R^{13}$   $R^{18}$   $R^{16}$   $R^{15}$ 

(V)

wherein Ar<sup>3</sup> and Ar<sup>4</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, provided that Ar<sup>3</sup> and Ar<sup>4</sup> do not have the same structure; and

R<sup>11</sup> to R<sup>18</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted

alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group.

Claim 7 (Currently Amended): The white color organic electroluminescence device according to claim 1, wherein the asymmetric compound comprising a condensed ring comprises the <u>compound</u> represented by any one of the formulae (VI) to (IX):

$$Ar^{5} \xrightarrow{\left(X^{1}\right)_{d}} Ar^{6}$$

$$\left(X^{2}\right)_{e}$$

$$\left(VI\right)$$

wherein Ar<sup>5</sup> represents a substituted or unsubstituted fused aromatic ring residue having 10 to 50 nuclear carbon atoms;

Ar<sup>6</sup> represents a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms;

X<sup>1</sup> and X<sup>2</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group; and

d represents an integer of 0 to 8, e represents an integer of 0 to 4, and n<sup>1</sup> represents an integer of 1 to 3;

$$(x^3)_f$$
 $(x^5)_h$ 
 $(x^4)_g$ 
 $(VII)$ 

wherein Ar<sup>7</sup> and Ar<sup>8</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms;

X<sup>3</sup>, X<sup>4</sup>, and X<sup>5</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group; and

f and g each represent an integer of 0 to 4, h represents an integer of 0 to 8, and n<sup>2</sup> represents an integer of 1 to 3, provided that no symmetrical group binds to each of 1-position and 6-position of central pyrene;

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$$R^{19}$$
 $A^{3}$ 
 $R^{18}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 
 $R^{10}$ 

(VIII)

wherein A<sup>3</sup> and A<sup>4</sup> each independently represent a substituted or unsubstituted fused aromatic ring residue having 10 to 20 nuclear carbon atoms;

Ar<sup>9</sup> and Ar<sup>10</sup> each independently represent a hydrogen atom, or a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms; and

R<sup>11</sup> to R<sup>20</sup> each independently represent a hydrogen atom, a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted aromatic heterocyclic group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group, provided that no symmetrical group binds to each of 1-position and 6-position of central pyrene;

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$$Ar^{11} \xrightarrow{\qquad \qquad \qquad } (X^6)_i \xrightarrow{\qquad \qquad } Ar^{12}$$

(IX)

wherein Ar<sup>11</sup> and Ar<sup>12</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms;

X<sup>6</sup> and X<sup>7</sup> each independently represent a substituted or unsubstituted aryl group having 6 to 50 nuclear carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkyl group having 1 to 50 carbon atoms, a substituted or unsubstituted alkoxy group having 1 to 50 carbon atoms, a substituted or unsubstituted aralkyl group having 6 to 50 carbon atoms, a substituted or unsubstituted aryloxy group having 5 to 50 nuclear atoms, a substituted or unsubstituted arylthio group having 5 to 50 nuclear atoms, a substituted or unsubstituted alkoxycarbonyl group having 1 to 50 carbon atoms, a carboxyl group, a halogen atom, a cyano group, a nitro group, or a hydroxyl group;

L represents a substituted or unsubstituted arylene group having 6 to 50 nuclear carbon atoms, or a substituted or unsubstituted divalent aromatic heterocyclic group having 3 to 50 nuclear atoms; and

i and j each represent an integer of 0 to 8, and  $n^3$  and  $n^4$  each represent an integer of 1 to 3.

Claim 8 (Previously Presented): The white color organic electroluminescence device according to claim 3, wherein the bluish color dopant comprises at least one compound

selected from the group consisting of a styrylamine, an amine-substituted styryl compound, a compound comprising an amine-substituted fused aromatic ring, a compound comprising a fused aromatic ring, and combinations thereof.

Claim 9 (Previously Presented): The white color organic electroluminescence device according to claim 1, comprising the anode, the bluish color light emitting layer, the yellow-to-reddish color light emitting layer, and the cathode in this order, wherein the yellow-to-reddish color light emitting layer comprises a same host material as that of the bluish color light emitting layer and a yellow-to-reddish color dopant.

Claim 10 (Previously Presented): The white color organic electroluminescence device according to claim 9, wherein the yellow-to-reddish color dopant comprises a compound having multiple fluoranthene skeletons.

Claim11 (Previously Presented): The white color organic electroluminescence device according to claim 9, wherein the yellow-to-reddish color dopant comprises a compound having a fluorescent peak wavelength of 540 nm to 700 nm.

Claim 12 (Previously Presented): The white color organic electroluminescence device according to claim 1, wherein each of the bluish color light emitting layer and the yellow-to-reddish color light emitting layer has a thickness of 5 nm or more.

Claim 13 (Previously Presented): The white color organic electroluminescence device according to claim 8, wherein the bluish color dopant comprises at least one compound selected from the group consisting of a styrylamine, an amine-substituted styryl

compound, a compound comprising an amine-substituted fused aromatic ring, and combinations thereof.

Claim 14 (Previously Presetned): The white color organic electroluminescence device according to claim 8, wherein the bluish color dopant comprises at least one compound selected from the group consisting of a styrylamine, an amine-substituted styryl compound, and combinations thereof.

Claim 15 (Previously Presented): The white color organic electroluminescence device according to claim 1, further comprising a hole injecting layer.

Claim 16 (Previously Presented): The white color organic electroluminescence device according to claim 15, wherein the hole injecting layer comprises a compound of formula (X):

Claim 17 (Previously Presented): The white color organic electroluminescence device according to claim 15, further comprising a hole transporting layer.

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Claim 18 (Previously Presented): The white color organic electroluminescence device according to claim 17, wherein the hole transporting layer comprises a compound of formula (XI):

Claim 19 (Previously Presetned): The white color organic electroluminescence device according to claim 1, further comprising an alq film.

Claim 20 (Currently Amended): The white color organic electroluminescence device according to elaim 20 claim 19, wherein the alq film comprises tris (8-quinolinol)aluminum.

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